

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): An implantable neurological stimulation lead ~~with a lead carrier,~~ comprising:

a first lead body having an ~~a~~ outer body, a first distal end, and a first proximal end, the first lead body including;

at least one ring electrode carried on the first distal end,

at least one electrical connector carried on the first proximal end,

at least one conductor electrically connecting the at least one ring electrode to the at least one electrical connector and insulated by the lead body; and

a lead carrier having an attachment detail for coupling to the lead distal end and an electrode shield positioned by the attachment detail to insulate a portion of the ring electrode.

Claim 2 (Original): The implantable neurological stimulation lead as in claim 1 further comprising:

a second lead body having a outer body, a second distal end, and a second proximal end, the second lead body including;

at least one ring electrode carried on the second distal end,

at least one electrical connector carried on the second proximal end, and

at least one conductor electrically connecting the at least one ring electrode to the at least one electrical connector and insulated by the lead body,

wherein the second lead body is configured for coupling to the attachment detail of the lead carrier to space the second lead body in relation to the first lead body.

Claim 3 (Original): The implantable neurological stimulation lead as in claim 1 wherein the attachment detail is selected from the group consisting of a clip, a ring and a sleeve.

Claim 4 (Currently Amended): The implantable neurological stimulation lead as in claim 1 wherein the attachment detail includes is more than one attachment detail.

Claim 5 (Original): The implantable neurological stimulation lead as in claim 1 wherein the electrode shield is manufactured from an insulator.

Claim 6 (Currently Amended): An implantable neurological stimulation lead with a lead carrier, comprising:

a first lead body having a outer body, a first distal end, and a first proximal end, the first lead body including,

at least one ring electrode carried on the first distal end,

at least one electrical connector carried on the first proximal end,

at least one conductor electrically connecting the at least one ring electrode to the at least one electrical connector and insulated by the lead body;

a means ~~for lead carrying~~ for coupling to the lead distal end and positioning an electrode shield to insulate a portion of the ring electrode.

Claim 7 (Currently Amended): A method for attaching a lead carrier to a neurological stimulation lead, comprising:

aligning a first lead body in a lead carrier, wherein the first lead body includes a first ring electrode;

inserting the first lead body in an attachment detail of the lead carrier;

positioning ~~positing~~ the first ~~lead body~~ ring electrode in relation to an ~~the~~ electrode shield positioned by the attachment detail;

aligning a second lead body in the lead carrier, wherein the second lead body includes a second ring electrode;

inserting the second lead body in the ~~an~~ attachment detail of the lead carrier; and,

positioning ~~positing~~ the second ~~lead body~~ ring electrode in relation to the electrode shield.

Claim 8 (Currently Amended): The method as in claim 7 further comprising positioning the first ring ~~lead body~~ electrode in relation to the second lead body electrode.

Claim 9 (New): An implantable neurological stimulation lead comprising:

- a lead body;
- a ring electrode disposed at a distal end of the lead body;
- an electrical connector disposed at a proximate end of the lead body;
- a conductor electrically connecting the ring electrode to the electrical connector;
- an electrically insulative shield sized to extend over a portion of the ring electrode; and
- an attachment mechanism to attach the shield to the lead body, the shield at least partially insulating the portion of the ring electrode from tissue at an implantation site on a side of the shield opposite the ring electrode.

Claim 10 (New): The lead of claim 9, wherein the attachment mechanism includes a clip, a ring or a sleeve.

Claim 11 (New): The lead of claim 9, wherein the shield is sized to extend over less than or equal to approximately one-half of a circumference of the ring electrode.

Claim 12 (New): An implantable neurological stimulation lead assembly comprising:

- a first lead body having a first ring electrode at a distal end of the first lead body, a first electrical connector disposed at a proximate end of the first lead body, and a first conductor electrically connecting the first ring electrode to the first electrical connector;

- a second lead body having a second ring electrode at a distal end of the second lead body, a second electrical connector disposed at a proximate end of the second lead body, and a second conductor electrically connecting the second ring electrode to the second electrical connector;

an electrically insulative shield sized to extend over portions of the first and second ring electrode; and

an attachment mechanism to attach the shield to the first and second lead bodies, the shield at least partially insulating the portions of the first and second ring electrodes from body tissue at an implantation site on a side of the shield opposite the first and second ring electrodes.

Claim 13 (New): The lead assembly of claim 12, wherein the attachment mechanism includes a clip, a ring or a sleeve.

Claim 14 (New): The lead assembly of claim 12, wherein the attachment mechanism includes a first attachment mechanism for the first lead body and a second attachment mechanism for the second lead body.

Claim 15 (New): The lead assembly of claim 14, wherein the first and second attachment mechanisms are integrally formed with one another.

Claim 16 (New): The lead assembly of claim 14, wherein the first and second attachment mechanisms are structured to define a degree of separation between the first and second lead bodies.

Claim 17 (New): The lead assembly of claim 12, wherein the shield is sized to extend over less than or equal to approximately one-half of a circumference of each of the first and second ring electrodes.